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Application of Nanotechnology for high performance textiles

L Qian, JP Hinestroza - tx.ncsu.edu
... of nanofillers in polymer matrices through ... purest diamond, and electrical conductivity similar to ... are classified into single-walled carbon nanotube (SWNT) and ...
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Nanocomposite Fibers

G Students - ntcresearch.org
... forms including multi- and single-walled carbon nanotubes can ... that they produced SWNT (Single Wall NanoTubes ... Various Types of Carbon Nanotubes (after WETC Panel ...
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FK Ko - NATO ASI on Nanoengineered Nanofibrous Materials, 2003 - drexel.edu
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INCORPORATING CARBON NANOTUBES INTO POLYPROPYLENE FIBERS

J ERICKSON - tx.ncsu.edu
... range from 50-100 microns [6]. Multi-walled carbon nanotube ... from 2-50 microns while single walled carbon nanotubes ... levels can cause the polymer's properties ...
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P Calvert, G Students, SK Mhetre, C Celik - ncresearch.org

... These **single** nanoparticles would then be mixed into **polymer** ... in these two types of **carbon** particulate/**polymer** ... was placed into a small (thick **walled**) glass test ...

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THERMAL CONDUCTIVITY AND COEFFICIENTS OF THERMAL EXPANSION OF SWNTS/EPOXY NANOCOMPOSITES

P Gonnet - etd.lib.fsu.edu

... 1991 by Sumio Iijima [1], **carbon** nanotubes have ... measured many times, especially for **single-walled nanotube** (SWNT ... their excellent **electrical** and thermal properties ...

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A Huczko - order - springerlink.com

... The nanostructure of GaN (a single crystal with fewer ... a membrane yielding extremely thin-walled (about 20 nm ... illustrate the formation process of carbon tubes by ...

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SUMANTH BANDA

V Richmond - etd.vcu.edu

... Characterization of Aligned Carbon Nanotube/Polymer Composites ... where the walls of the tubes are hexagonal carbon and ... CNTs are either single walled nanotubes ...

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S KK, DIN MODELING, OFPM OF - lucy.mrs.org

... cant dipolar interactions with single-domain nanoparticles ... class of uoropolymer - carbon nanotube blends for ... precursor, and multi-walled carbon nanotubes (MWNTs ...

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JC Hulteen, CR Martin - J. Mater. Chem, 1997 - pubs.rsc.org

... produce thin-walled tubules, thick-walled tubules or solid ... As noted, the carbon-PAN-Au composites were prepared ... 15(B) assumes a single 100 nm diameter disk ...

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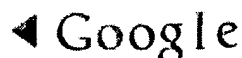
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A ROUSSET - Acta mater, 2000 - w3.ldv.univ-montp2.fr

... powders, in which the **carbon** nanotubes, mostly **single** or double-walled, are very ...

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